



! Use these instructions in conjunction with the complete installation manual for this product.

**Your Alarm.com Dealer Portal:** [www.alarm.com/dealer](http://www.alarm.com/dealer)

**The Mobile Tech App:** <https://alarmadmin.alarm.com/mobile>

Sign in using the dealer credentials provided by Alarm.com.

## 1 Create a customer account

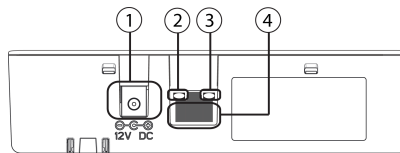
- From the Alarm.com Dealer website or MobileTech app, select *Customers > Create New Customer*.
- Add the customer's address and contact information.
- Enter the 10-digit serial number, located on the barcode sticker of the panel.

## 2 Install the panel

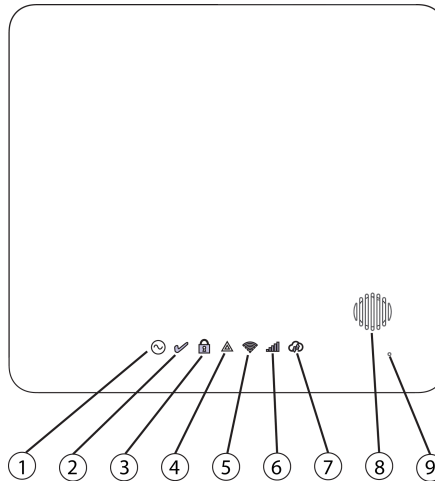
- Inspect the panel and peripheral devices before installation to ensure they are not damaged.
- Install the iotega on a flat, stable surface, free from vibration and shock, and near a power outlet.
- Connect the panel to the Customer's router with a CAT-5/6 Ethernet cable.
- Pull out the battery tape.
- Connect the barrel jack of the plug-in adapter to the power connector on the back of the panel. Route the power cable through the strain relief channel on the bottom of the panel then plug the adapter into an AC outlet.

The iotega powers up once plugged in. The power-up sequence is as follows:

- The integrated keypad numbers illuminate in sequence.
- The Power LED illuminates after approximately 40 seconds.
- The Ethernet Link Speed LED illuminates steady green and the Ethernet Link Activity LED flashes rapidly to indicate that a connection is being made.
- The Remote Connection LED illuminates steady green to indicate a connection to the Alarm.com server has been made over Cell or Ethernet.



- Power Connector
- Ethernet Link Speed LED
- Ethernet Link Activity LED
- Ethernet Port



- Power LED
- Ready to Arm LED
- Armed LED
- Trouble LED
- WiFi Signal Strength LED
- Cellular Signal Strength LED
- Remote Connection LED
- Siren
- Microphone

## 3 Verify panel communications

Review the LED indicators on the iotega panel.

LED operational status is shown below.

### Power

On steady (green) when AC power is connected.

### Ready to Arm

On steady (green) when partition is in a ready to arm mode. No fire or CO alarms are present.

### Armed

On steady (red) when partition is armed.

Off when partition is disarmed or audible alarm annunciation is off.

### Trouble

On steady (amber) when system troubles are present.

### Wi-Fi® Signal Strength

On steady (green) when strong signal connection .

On steady (amber) when weak signal connection.

On steady (red) when no signal, Off when no Wi-Fi detected.

### Cellular Signal Strength

On steady (green) when strong signal connection .

On steady (amber) when weak signal connection.

On steady (red) when no signal or no connection detected.

### Remote Connection Status

On steady (green) when Link to remote server is active.

On flashing (red) when link to remote server is active but has failed to communicate.

Off when link to remote server is not active.

+ For more information on LED indicators, see “Controls and Indicators” in the iotega installation manual.

! When replacing the battery, use a battery pack suitable for the application. Refer to “Specifications” in the iotega installation manual.

## 4 Confirm signaling with the Alarm.com backend

On MobileTech or the Dealer Portal, navigate to *Remote Toolkit* and run the communication test. This test confirms the unit is communicating with Alarm.com.

## 5 Enroll sensors (zones) and peripheral devices

Navigate to *Equipment > Sensors > Add a Sensor* to put the panel into Add Mode. Select Auto-Learn or Remote Add.

Auto-Learn mode

Power up the sensor or device and trigger it according to the instructions in the device manual. Enrolled devices are displayed on the Mobile Tech page in the Added Devices section.

Once all devices are added, choose *Exit*.

Edit the device name, group, and partition as needed.

Click *Save* to finish.

Add Sensor and Peripheral Devices (Remote Add)

Enter the device ID, zone definition, partition, name, and ESN into the appropriate fields.

Click *Add Sensor* to finish.



The device may need to be tampered when in range of the panel in order to start functioning.

**Confirm devices are enrolled**

Navigate to *Equipment* and check the status of each device to confirm correct operation.

Install devices in their final location around the home.

**Complete a walk test**

Navigate to *Equipment > Perform Walk Test > Begin Walk Test*. As devices are triggered, the onboard siren sounds and a response is displayed on the page.

**Perform a system check**

Navigate to *Remote Toolkit > Run System Check* to confirm the system is functioning properly. If an issue or trouble condition is present, select *Review & Troubleshoot* for details.



The iotega Security System is now set up. You can add additional security or Z-Wave devices via the installer portal and control the system from the end-user mobile app and web portal.



For information on using the iotega and adding Z-Wave devices or cameras, please refer to the online user manual.

**For technical support**

Access the "Support" tab on the Alarm.com Partner Portal to log a ticket or find the phone number for your region.

For hardware technical support:

1(800) 378 3630 (U.S. & Canada); (905) 760 3000 (international)

**Table 1-1 Trouble Indications**

1st Layer		2nd Layer		3rd Layer
00	Alarm.com Custom	01	Zwave Trouble	
		02	Image Sensor Radio	
		03 to 09	Trouble 3 to 9	
01	System Trouble	01	AC	
		02	Battery Trouble	
		03	Tamper	
		04	Hardware Fault	
		06	RF Jam	
02	Zone	01	AC Trouble	1-128
		02	Battery Trouble	1-128
		03	Tamper	1-128
		04	Fault (Supervision)	1-128
		05	Not Networked	1-128
		06	Fire/CO Trouble	1-128
03	Siren	01	Future Use	1-16
		02	Battery Trouble	1-16
		03	Tamper	1-16
		04	Fault (Supervision)	1-16
		05	Not Networked	1-16
04	Keypad	01	AC	1-9
		02	Battery Trouble	1-9
		03	Tamper	1-9
		04	Fault (Supervision)	1-9
		05	Not Networked	1-9
05	Repeater	01	AC	1-8
		02	Battery Trouble	1-8
		03	Tamper	1-8
		04	Fault (Supervision)	1-8
		05	Not Networked	1-8
		06	RF Jam	1-8
06	Wireless Key	01	Future Use	1-32
		02	Battery Trouble	1-32
		03	Future Use	1-32
		04	Future Use	1-32
		05	Not Networked	1-32
07	Communication	01	Receiver Unavailable	
		02	FTC Trouble	receiver 1-4
		03	Receiver Supervision Trouble	
		04	Cellular Trouble	
		05	IP Network Trouble	

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To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls must first obtain an authorization number. Digital Security Controls will not accept any shipment whatsoever for which prior authorization has not been obtained.

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- damage caused by unauthorized attachment, alterations, modifications or foreign objects;
- damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
- defects caused by failure to provide a suitable installation environment for the products;
- damage caused by use of the products for purposes other than those for which it was designed;
- damage from improper maintenance;
- damage arising out of any other abuse, mishandling or improper application of the products.

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Products which Digital Security Controls determines to be repairable will be repaired and returned. A set fee which Digital Security Controls has predetermined and which may be revised from time to time, will be charged for each unit repaired.

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**SIMPLIFIED EU DECLARATION OF CONFORMITY**

Hereby, Tyco Safety Products Canada Ltd declares that the radio equipment type Wireless Alarm System with Integral Cellular Alarm Communicator is in compliance with Directive 2014/53/EU.

The following models are covered by this guide: WS900-19, WS900-29, 3G7090, LT7090 (used in North America only), WS901-14, WS901-24EU, WS901-18, WS901-28 and 3G7090-EU.

The full text of the EU declarations of conformity for the models mentioned below are available at the following internet addresses:

Model WS901-14: <http://dsc.com/pdf/1707001>

Model WS901-24EU: <http://dsc.com/pdf/1707002>

Model WS901-18: <http://dsc.com/pdf/1707003>

Model: WS901-28: <http://dsc.com/pdf/1707004>

Model: 3G7090-EU: <http://dsc.com/pdf/1707005>

Product specifications:

Frequency Bands	Maximum Power
g1 433.04MHz – 434.79MHz	10mW
h1.4 868.0MHz – 868.6MHz	10mW
h1.5 868.7MHz – 869.2MHz	
2400MHz-2483.5MHz	100mW
EGSM/EDGE: 880MHz – 915MHz	Class 4 (2W) @ 900 MHz, E-GSM Class E2 (0.5W) @ 900 MHz, EDGE
DCS/EDGE: 1710MHz – 1785MHz	Class 1 (1W) @ 1800 MHz, DCS Class E2 (0.4W) @ 1800 MHz, EDGE
FDD Band VIII: 880MHz – 915MHz	Class 3 (0.25W) @ 900/1800 MHz, FDD IV/III
FDD Band I: 1920MHz – 1980MHz	

European single point of contact

Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Netherlands

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